



PROPOSED BMP'S

BMP	TYPE
SILT FENCE	TEMPORARY, SEDIMENT CONTROL
CONSTRUCTION ENTRANCE	TEMPORARY, SEDIMENT CONTROL
VEGETATION	PERMANENT, EROSION PREVENTION
INLET PROTECTION	TEMPORARY, SEDIMENT CONTROL
DETENTION POND	PERMANENT, WATER QUALITY
TREE PROTECTION	TEMPORARY, PROTECTION
EROSION EEL	TEMPORARY, SEDIMENT CONTROL

EXISTING ON-SITE CONDITIONS

COVER	SCS CLASSIFICATION	AREA (Ac)
ROW CROPS (SR)	ROW CROPS (SR) GOOD CONDITION B SOILS, CN=78	0.07
ROW CROPS (SR)	ROW CROPS (SR) GOOD CONDITION C SOILS, CN=85	22.68
ROW CROPS (SR)	ROW CROPS (SR) GOOD CONDITION D SOILS, CN=89	2.83
COMPOSITE CN=85		

PROPOSED ON-SITE CONDITIONS

COVER	SCS CLASSIFICATION	AREA (Ac)
PAVED ROADS	ROADS, CN=98	3.30
PAVED ROADS	ROADS, CN=92	0.54
RESIDENTIAL 1/4 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS C SOILS, CN=83	11.09
RESIDENTIAL 1/4 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS D SOILS, CN=87	0.22
OPEN SPACE	OPEN SPACE B SOILS, CN=69	0.07
OPEN SPACE	OPEN SPACE C SOILS, CN=79	7.85
OPEN SPACE	OPEN SPACE D SOILS, CN=84	2.22
COMPOSITE CN=82		

Survey Control
 Field Survey performed from: 09-6 to 09-27, 2016.
 Horizontal and vertical survey control is tied to the Tennessee State Plane coordinate system (NAD83/NAVD88), referenced from Rutherford County Control monument number RCC-020.

BENCHMARK #1:
 RR SPIKE IN WOOD POST
 N: 504471.39
 E: 1840438.03
 ELEV: 677.72

BENCHMARK #2:
 IPF SEC
 N: 504953.31
 E: 1840265.95
 ELEV: 679.25

OUTFALLS

NUMBER	DESCRIPTION	DRAINAGE AREA			RECEIVING FEATURE
		DISTURBED	DIVERTED	TOTAL	
1	TEMP. CONSTRUCTION EXIT	0.10 Ac.	0.00 Ac.	0.10 Ac.	WEST FORK STONES RIVER UPPER
2	EXISTING DRAIN AT NORTHEAST CORNER	25.58 Ac.	146.13 Ac.	171.71 Ac.	WEST FORK STONES RIVER UPPER

EPSC Phasing

Initial: Silt Fence Along Downgradient
 Perimeter Construction Entrance
 Check Dams in Existing Ditches
 Filter Fabric Inlet Protection

Intermediate: Temporary Seeding
 Filter Fabric Inlet Protection
 Check Dams in Proposed Ditches
 Silt Fence To Protect Ditches
 Erosion Control Blanket Installation At Prescribed Locations

Final: Seeding And Stabilization Of All Disturbed Areas

★ Outfall

--- LIMITS OF DISTURBANCE

Legend:

EXIST. CONCRETE MONUMENT	BENCHMARK
IRON PIN SET (I.P.S.)	HANDICAP RAMP SYMBOL
IRON PIN FOUND (I.P.F.)	V.A. VAN ACCESSIBLE HANDICAP DESIGNATION
EXIST. SIGN POST	HC SIGN
EXIST. SEWER CLEANOUT	PROPOSED SIGN POST
EXIST. MANHOLE (SEWER and PHONE)	CONCRETE BOLLARD
EXIST. CATCH BASIN (STORM SEWER)	WHEEL STOP
EXIST. WATER/GAS VALVE	CONCRETE SIDEWALK
EXIST. TELEPHONE RISER	EXTRUDED CURB
EXIST. GAS RISER	CURB and GUTTER
ELECTRICAL ENCLOSURE	TRAFFIC ARROW
EXIST. WATER METER	TURN LANE ARROWS
EXIST. UTILITY POLE	REVISION NUMBER
EXIST. FIRE HYDRANT	#1 DRAINAGE STRUCTURE DESIGNATION
POST INDICATOR VALVE	A DRAINAGE PIPE DESIGNATION
BLOW OFF VALVE	RIP RAP
REDUCER	RUNOFF FLOW ARROW
REMOTE FIRE DEPT. CONNECTION	INLET FILTER PROTECTION
CONCRETE THRUST BLOCK	63.25 x PROPOSED SPOT ELEVATION
DOUBLE DETECTOR CHECK VALVE	(63.25) x EXIST. SPOT ELEVATION
FIRE DEPT. CONNECTION	SEWER/STORM FLOW DIRECTION
FIRE HYDRANT	CATCH BASIN
GATE VALVE and BOX	CURB INLET
WATER METER	AREA DRAIN
GAS METER	HEADWALL
GREASE TRAP	WINGED HEADWALL
EXTERIOR CLEANOUT ECO	CONCRETE SWALE
MANHOLE	TYPE - X- HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	---
EASEMENTS	---
RIGHT OF WAY	ROW
EROSION CONTROL SILT FENCE	SF SF
EROSION EEL	E E E E
EXISTING TREELINE	~ ~ ~ ~
EXISTING FENCELINE	X X
MINIMUM BUILDING SETBACK LINE	MBSL
PHASE BOUNDARY	-----
EXISTING GAS LINE	GAS GAS
PROPOSED GAS LINE	GAS GAS
EXISTING STORM	STM STM
PROPOSED STORM	STM STM
EXISTING CONTOUR LINES	601
PROPOSED CONTOUR LINES	601
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
EXISTING WATER	W W
PROPOSED WATER	W W

81
 Know what's below.
 Call before you dig.

Scale: 1" = 100'

Scale: 1" = 100'

SFC, Inc.
 SITE ENGINEERING CONSULTANTS
 ENGINEERING • SURVEYING • LAND PLANNING
 850 MIDDLE TENNESSEE BOULEVARD
 MURFREESBORO, TENNESSEE 37129
 PHONE: (615) 890-7901 E-MAIL: RHOUZE@SFC-CIVIL.COM FAX: (615) 895-2567
 NO PORTION OF THIS DRAWING MAY BE REPRODUCED WITHOUT THE EXPRESSED WRITTEN CONSENT OF S.F.C. INC.

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Survey Control

Field Survey performed from: 09-6 to 09-27, 2016.
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BENCHMARK #1:
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OUTFALLS

NUMBER	DESCRIPTION	DRAINAGE AREA		RECEIVING FEATURE
		DISTURBED	TOTAL	
1	TEMP. CONSTRUCTION EXIT	0.10 Ac.	0.00 Ac.	WEST FORK STONES RIVER UPPER
2	EXISTING DRAIN AT NORTHEAST CORNER	25.58 Ac.	146.13 Ac.	WEST FORK STONES RIVER UPPER

1 ☆ Outfall

----- LIMITS OF DISTURBANCE

PROPOSED BMP'S

BMP	TYPE
SILT FENCE	TEMPORARY, SEDIMENT CONTROL
CONSTRUCTION ENTRANCE	TEMPORARY, SEDIMENT CONTROL
CONCRETE WASH OUT	TEMPORARY, SEDIMENT CONTROL
EROSION EELS	TEMPORARY, SEDIMENT CONTROL
DRY DETENTION POND	PERMANENT, EROSION PREVENTION
VEGETATION	PERMANENT, EROSION PREVENTION
EROSION CONTROL FABRIC	PERMANENT, EROSION PREVENTION

EXISTING ON-SITE CONDITIONS

COVER	SCS CLASSIFICATION	AREA (Ac)
ROW CROPS (SR)	ROW CROPS (SR) GOOD CONDITION B SOILS, CN=78	0.07
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Storm Water Pollution Prevention Notes:

Before starting demolition or construction operations, refer to the Initial EPSC, Intermediate EPSC and SWPPP Plan sheets.

- The site contractor is responsible for establishing and maintaining suitable erosion and sediment control devices on-site during construction as required to prevent silt from leaving site. Silt will not be allowed beyond construction limits.
- The contractor is responsible for removing silt from site if not reusable on-site and ensuring plan alignment and grade in all ditches at completion of construction.
- Erosion control measures shall be provided for all cut and fill operations within the limits of the construction site, throughout the construction period to provide the site with maximum protection from erosion at all times.
- Erosion control measures are to be installed prior to any grading on-site and are to be maintained in place until stabilization of erodible soils has been accomplished.
- The Storm Water Pollution Prevention Plan (SWPPP) is an integral part of the Erosion Prevention and Sediment Control (EPSC) Plan and should be followed during all phases of construction (bidding, site work, final stabilization).
- Any graded or disturbed areas shall have 4 inches of topsoil, seed, mulch, fertilizer and water applied until a healthy stand of grass is obtained unless otherwise noted on plans. The restoration shall closely follow construction.
- The construction drawings shall be made available on site at all times and presented upon request. If unforeseen stormwater pollution prevention is encountered, additional Storm Water Pollution Prevention (SWPPP) measures may be requested by the owner, city engineer, project engineer, or soil conservation service representative at anytime. Such requests shall be implemented immediately at contractor's expense.
- All Storm Water Pollution Prevention items shall be installed as shown or noted in these plans.
- Apply temporary seeding and mulching in all areas that shall be inactive for 15 days or more. All disturbed and eroded earth shall be regraded and seeded within 7 days, as defined above and as shown on the table below to establish stability and provided sediment control.

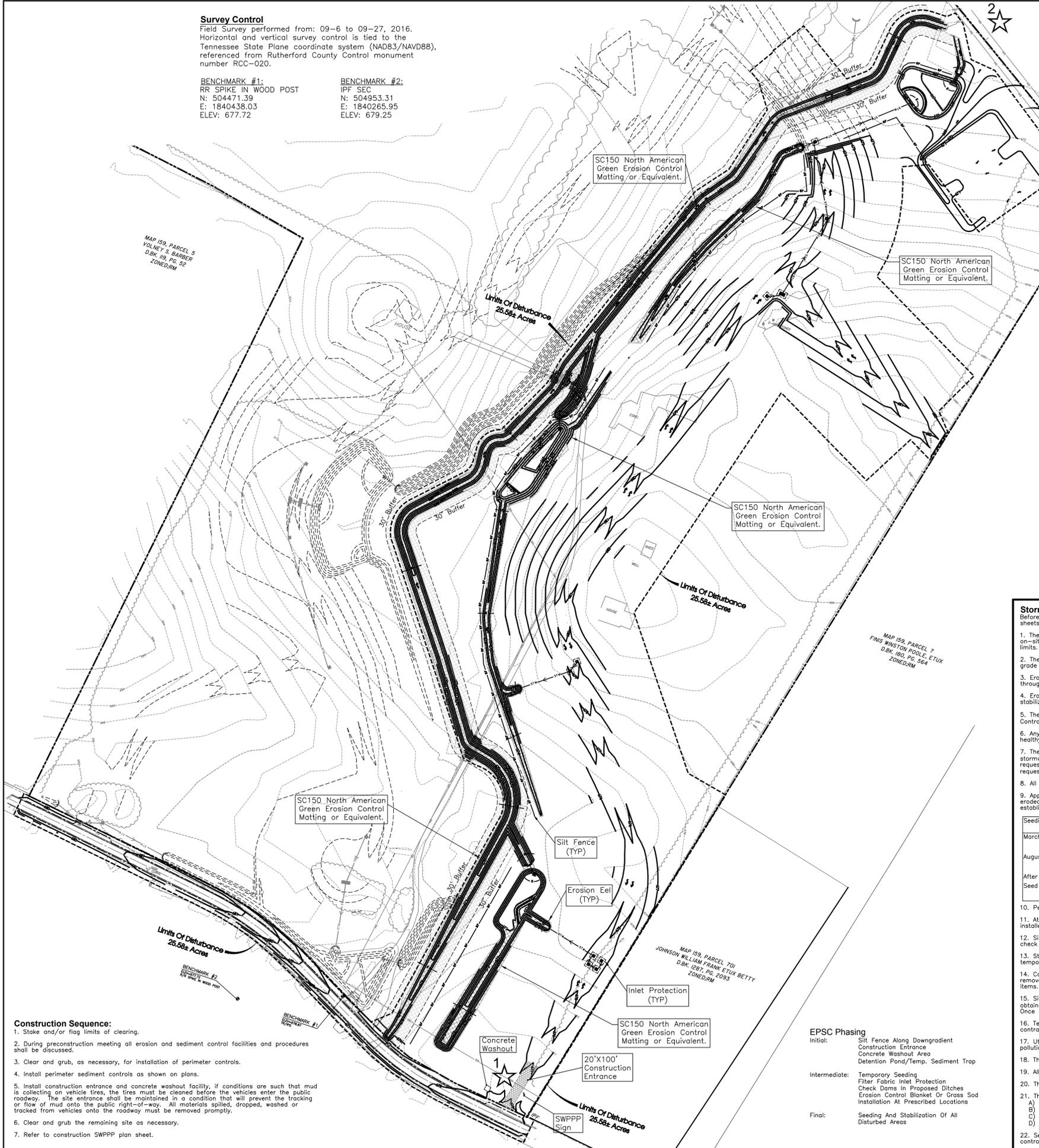
Seeding Dates	Seed Type	Application Rate Per 1,000 Sq.Ft.
March 1 - August 15	Oats Perennial Rye Grass Or Tall Fescue	3#
August 16 - November 1	Rye, Wheat or Perennial Rye Grass Tall Fescue	1#
After November 1	Straw or Hay Mulch	2-3 Bales
Seed Bed Preparation	Lime 10-10-10 or 12-12-12 Fertilizer	100# 12-15#

- Permanent vegetation shall be installed within 7 days of the completion of any graded area, weather permitting.
- At such time rough grading or the site is complete and drainage diverts to inlets, inlet sediment filters shall be installed at all inlet structures to keep piping systems free of silt.
- Silt barriers shall be installed around all existing or new storm inlets, catch basins, yard drains. Install rock check dams for headwall inlets for storm water pollution prevention.
- Storm water pollution prevention measures shall be installed around all dirt or topsoil stockpiles and other temporarily disturbed areas.
- Contractor shall inspect all SWPPP measures daily and repair as necessary to prevent erosion. Siltation shall be removed from areas where failures have occurred and corrective action taken within 24 hours to maintain all SWPPP items.
- Silt barriers, construction entrances, and silt fences shall remain in place until a good stand of grass has been obtained and/or paving operations are complete. Contractor shall keep silt from entering any storm drainage system. Once site has been completely stabilized, silt in pipes and drainage swales shall be removed within 10 days.
- Temporary sedimentation and stormwater pollution prevention measures must be inspected and logged by the contractor for inspection, inspections and logging shall be weekly and after rain storms.
- Utility companies must comply with all stormwater pollution prevention measures as defined on the storm water pollution prevention plans, details and notes.
- The total area of disturbance for the project is 20.91 Acres.
- All stormwater pollution prevention practices shall be installed before any other earth moving occurs.
- The contractors shall use temporary sediment filter bags as necessary to control sediment runoff.
- The following stormwater pollution prevention and sediment control measures will be used on this site:

A) Sediment control barrier	E) Check dams
B) Filter fabric inlet protection	F) Temporary seeding
C) Construction entrance	G) Erosion control blanket
D) Concrete washout facility	H) Permanent seeding or sodding
- Sediment shall be removed from sediment controls as necessary but at least when the design capacity of the control has been reduced by 50%.

EPSC Phasing

- Initial: Silt Fence Along Downgradient
Construction Entrance
Concrete Washout Area
Detention Pond/Temp. Sediment Trap
- Intermediate: Temporary Seeding
Filter Fabric Inlet Protection
Check Dams in Proposed Ditches
Erosion Control Blanket Or Grass Sod
Installation At Prescribed Locations
- Final: Seeding And Stabilization Of All
Disturbed Areas



Construction Sequence:

- Stake and/or flag limits of clearing.
- During preconstruction meeting all erosion and sediment control facilities and procedures shall be discussed.
- Clear and grub, as necessary, for installation of perimeter controls.
- Install perimeter sediment controls as shown on plans.
- Install construction entrance and concrete washout facility, if conditions are such that mud is collecting on vehicle tires, the tires must be cleaned before the vehicles enter the public roadway. The site entrance shall be maintained in a condition that will prevent the tracking or flow of mud onto the public right-of-way. All materials spilled, dropped, washed or tracked from vehicles onto the roadway must be removed promptly.
- Clear and grub the remaining site as necessary.
- Refer to construction SWPPP plan sheet.

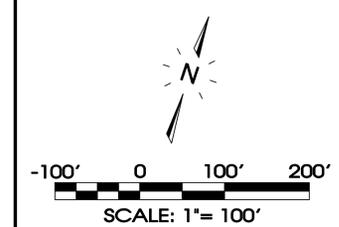
Legend:

EXIST. CONCRETE MONUMENT	BENCHMARK
IRON PIN SET (I.P.S.)	HANDICAP RAMP SYMBOL
IRON PIN FOUND (I.P.F.)	V.A. VAN ACCESSIBLE HANDICAP DESIGNATION
EXIST. SIGN POST	HC SIGN
EXIST. SEWER CLEANOUT	PROPOSED SIGN POST
EXIST. MANHOLE (SEWER and PHONE)	CONCRETE BOLLARD
EXIST. CATCH BASIN (STORM SEWER)	WHEEL STOP
EXIST. WATER/GAS VALVE	CONCRETE SIDEWALK
EXIST. TELEPHONE RISER	EXTRUDED CURB
EXIST. GAS RISER	CURB and GUTTER
ELECTRICAL ENCLOSURE	TRAFFIC ARROW
EXIST. WATER METER	TURN LANE ARROWS
EXIST. UTILITY POLE	REVISION NUMBER
EXIST. FIRE HYDRANT	DRAINAGE STRUCTURE DESIGNATION
POST INDICATOR VALVE	DRAINAGE PIPE DESIGNATION
BLOW OFF VALVE	RIP RAP
REDUCER	RUNOFF FLOW ARROW
REMOTE FIRE DEPT. CONNECTION	INLET FILTER PROTECTION
CONCRETE THRUST BLOCK	63.25 x PROPOSED SPOT ELEVATION
DOUBLE DETECTOR CHECK VALVE	(63.25) x EXIST. SPOT ELEVATION
FIRE DEPT. CONNECTION	SEWER/STORM FLOW DIRECTION
FIRE HYDRANT	CATCH BASIN
GATE VALVE and BOX	CURB INLET
WATER METER	AREA DRAIN
GAS METER	HEADWALL
GREASE TRAP	WINGED HEADWALL
EXTERIOR CLEANOUT ECO	CONCRETE SWALE
MANHOLE	TYPE- X- HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	---
EASEMENTS	-----
RIGHT OF WAY	ROW
EROSION CONTROL SILT FENCE	SF SF
EROSION EEL	E E E E
EXISTING TREELINE	~ ~ ~ ~
EXISTING FENCELINE	X X
MINIMUM BUILDING SETBACK LINE	MBSL
PHASE BOUNDARY	-----
EXISTING GAS LINE	GAS GAS
PROPOSED GAS LINE	GAS GAS
EXISTING STORM	STM STM
PROPOSED STORM	STM STM
EXISTING CONTOUR LINES	601
PROPOSED CONTOUR LINES	601
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
EXISTING WATER	W W
PROPOSED WATER	W W



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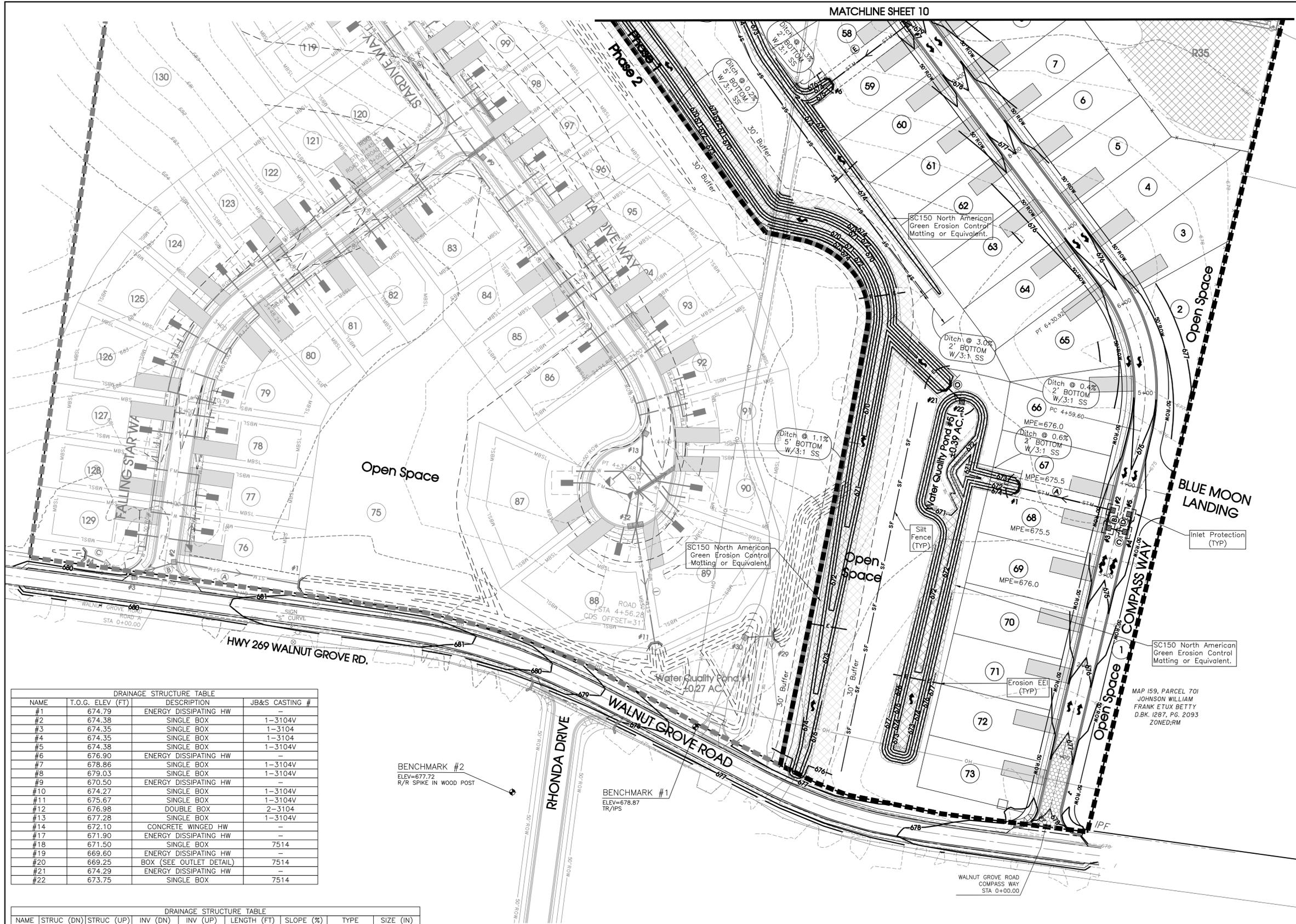
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850 MIDDLE TENNESSEE BOULEVARD
MURFREESBORO, TENNESSEE 37129
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Clearview Acres
Section 1

Rutherford County, TN

REVISIONS:
DRAWN: MLG
DATE: 9-22-16
CHECKED:
RH
FILE NAME: 14300projectP1
SCALE: 1" = 100'
JOB NO. 14300
SHEET: 8 of 15



Legend:

□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊙	HC SIGN
○	EXIST. SEWER CLEANOUT	+	PROPOSED SIGN POST
○	EXIST. MANHOLE (SEWER and PHONE)	+	CONCRETE BOLLARD
⊕	EXIST. CATCH BASIN (STORM SEWER)	⊕	WHEEL STOP
⊕	EXIST. WATER/GAS VALVE	⊕	CONCRETE SIDEWALK
⊕	EXIST. TELEPHONE RISER	⊕	EXTRUDED CURB
⊕	EXIST. GAS RISER	⊕	CURB and GUTTER
⊕	ELECTRICAL ENCLOSURE	➔	TRAFFIC ARROW
⊕	EXIST. WATER METER	➔	TURN LANE ARROWS
○	EXIST. UTILITY POLE	⊕	REVISION NUMBER
⊕	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
⊕	POST INDICATOR VALVE	A	DRAINAGE PIPE DESIGNATION
⊕	BLOW OFF VALVE	⊕	RIP RAP
⊕	REDUCER	➔	RUNOFF FLOW ARROW
⊕	REMOTE FIRE DEPT. CONNECTION	⊕	INLET FILTER PROTECTION
⊕	CONCRETE THRUST BLOCK	63.25 x	PROPOSED SPOT ELEVATION
⊕	DOUBLE DETECTOR CHECK VALVE	(63.25) x	EXIST. SPOT ELEVATION
⊕	FIRE DEPT. CONNECTION	➔	SEWER/STORM FLOW DIRECTION
⊕	FIRE HYDRANT	⊕	CATCH BASIN
⊕	GATE VALVE and BOX	⊕	CURB INLET
⊕	WATER METER	⊕	AREA DRAIN
⊕	GAS METER	⊕	HEADWALL
⊕	GREASE TRAP	⊕	WINGED HEADWALL
○	EXTERIOR CLEANOUT ECO	⊕	CONCRETE SWALE
○	MANHOLE	⊕	TYPE - X - HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	---
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EROSION CONTROL SILT FENCE	SF SF
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EXISTING FENCELINE	X X
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PHASE BOUNDARY	---
EXISTING GAS LINE	GAS GAS
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EXISTING STORM	STM STM
PROPOSED STORM	STM STM
EXISTING CONTOUR LINES	601
PROPOSED CONTOUR LINES	601
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
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PROPOSED WATER	W W

DRAINAGE STRUCTURE TABLE

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#8	679.03	SINGLE BOX	1-3104V
#9	670.50	ENERGY DISSIPATING HW	-
#10	674.27	SINGLE BOX	1-3104V
#11	675.67	SINGLE BOX	1-3104V
#12	676.98	DOUBLE BOX	2-3104
#13	677.28	SINGLE BOX	1-3104V
#14	672.10	CONCRETE WINGED HW	-
#17	671.90	ENERGY DISSIPATING HW	-
#18	671.50	SINGLE BOX	7514
#19	669.60	ENERGY DISSIPATING HW	-
#20	669.25	BOX (SEE OUTLET DETAIL)	7514
#21	674.29	ENERGY DISSIPATING HW	-
#22	673.75	SINGLE BOX	7514

DRAINAGE STRUCTURE TABLE

NAME	STRUC (DN)	STRUC (UP)	INV (DN)	INV (UP)	LENGTH (FT)	SLOPE (%)	TYPE	SIZE (IN)
A	#1	#2	671.25	671.55	100	0.30	RCP III	18
B	#2	#3	671.57	671.67	19	0.50	RCP III	18
C	#3	#4	671.67	671.79	24	0.50	RCP III	15
D	#4	#5	671.79	671.88	19	0.50	RCP III	15
E	#6	#7	673.90	675.86	100	1.96	RCP III	15
F	#7	#8	675.86	676.03	27	0.63	RCP III	15
G	#9	#10	668.00	668.88	207	0.43	RCP III	18
H	#10	#11	671.33	672.67	154	0.87	RCP III	18
I	#11	#12	672.67	673.98	176	0.74	RCP III	18
J	#12	#13	673.98	674.28	28	1.09	RCP III	18
K	#10	#14	668.88	669.10	23	0.93	RCP III	18
M	#17	#18	668.90	669.00	20	0.50	RCP III	24X38
N	#19	#20	666.60	666.80	20	1.00	RCP III	4-24
O	#21	#22	670.17	670.25	20	0.40	RCP III	30

COMPASS WAY

PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
5+51.23	195.00'	171.31'	50°20'08.53"	29°22'56.82"	165.86'
11+10.00	195.00'	175.27'	51°29'51.48"	29°22'56.82"	169.43'
17+90.06	175.00'	39.90'	13°03'48.43"	32°44'25.60"	39.81'
21+35.48	225.00'	334.47'	85°10'16.66"	25°27'53.25"	304.51'
26+17.08	175.00'	33.28'	10°53'51.14"	32°44'25.60"	33.23'
29+19.64	175.00'	37.65'	12°19'34.02"	32°44'25.60"	37.58'
40+72.13	225.00'	89.97'	22°54'42.47"	25°27'53.25"	89.38'
43+24.83	225.00'	134.55'	34°15'50.55"	25°27'53.25"	132.56'

Survey Control
 Field Survey performed from: 09-06 to 09-27, 2016.
 Horizontal and vertical survey control is tied to the Tennessee State Plane coordinate system (NAD83/NAVDBB), referenced from Rutherford County Control monument number RCC-020.

BENCHMARK #1:
 TR/IPS
 ELEV: 678.87

BENCHMARK #2:
 RR SPIKE IN WOOD POST
 ELEV: 672.72

811
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Scale: 1" = 50'

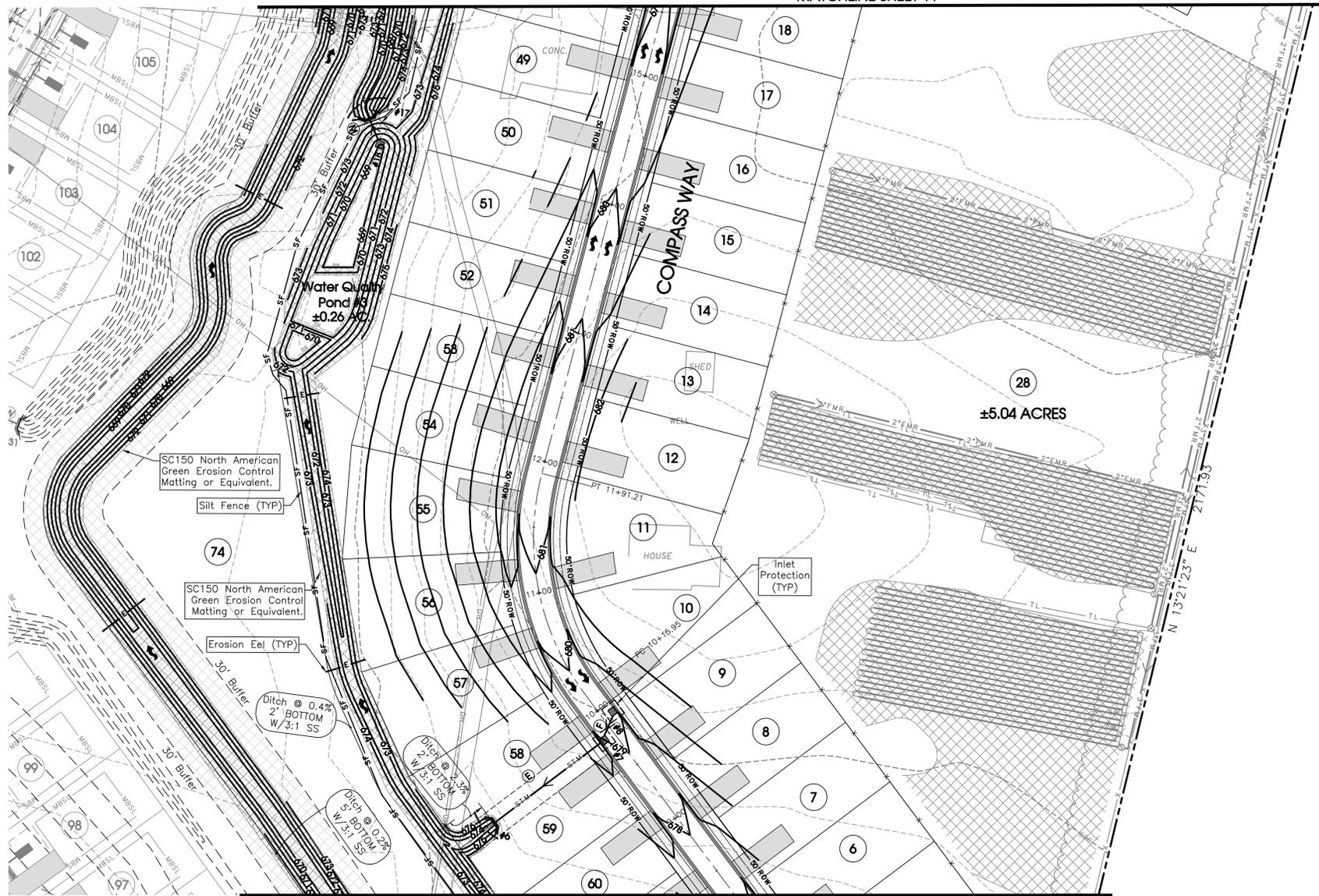
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Rutherford County, TN
 Clearview Acres
 Section 1
 Rutherford County, TN

Grading and Drainage and Intermediate EPSC Plan

REVISIONS:
 DRAWN: MLG
 DATE: 9-22-16
 CHECKED: RH
 FILE NAME: 14300projectP1
 SCALE: 1"=50'
 JOB NO. 14300
 SHEET: 9 of 15



MAP 159, PARCEL 7
FINIS WINSTON POOLE, ETUX
D.B.K. 180, PG. 564
ZONED;RM

MATCHLINE SHEET 9

NAME	T.O.G. ELEV (FT)	DESCRIPTION	JB&S CASTING #
#1	674.79	ENERGY DISSIPATING HW	-
#2	674.38	SINGLE BOX	1-3104V
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#14	672.10	CONCRETE WINGED HW	-
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M	#17	#18	668.90	669.00	20	0.50	RCP III	24X38
N	#19	#20	666.60	666.80	20	1.00	RCP III	4-24
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PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
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Legend:

EXIST. CONCRETE MONUMENT	BENCHMARK
IRON PIN SET (I.P.S.)	HANDICAP RAMP SYMBOL
IRON PIN FOUND (I.P.F.)	V.A. VAN ACCESSIBLE HANDICAP DESIGNATION
EXIST. SIGN POST	HC SIGN
EXIST. SEWER CLEANOUT	PROPOSED SIGN POST
EXIST. MANHOLE (SEWER and PHONE)	CONCRETE BOLLARD
EXIST. CATCH BASIN (STORM SEWER)	WHEEL STOP
EXIST. WATER/GAS VALVE	CONCRETE SIDEWALK
EXIST. TELEPHONE RISER	EXTRUDED CURB
EXIST. GAS RISER	CURB and GUTTER
ELECTRICAL ENCLOSURE	TRAFFIC ARROW
EXIST. WATER METER	TURN LANE ARROWS
EXIST. UTILITY POLE	REVISION NUMBER
EXIST. FIRE HYDRANT	#1 DRAINAGE STRUCTURE DESIGNATION
POST INDICATOR VALVE	A DRAINAGE PIPE DESIGNATION
BLOW OFF VALVE	RIP RAP
REDUCER	RUNOFF FLOW ARROW
REMOTE FIRE DEPT. CONNECTION	INLET FILTER PROTECTION
CONCRETE THRUST BLOCK	63.25 x PROPOSED SPOT ELEVATION
DOUBLE DETECTOR CHECK VALVE	(63.25) x EXIST. SPOT ELEVATION
FIRE DEPT. CONNECTION	> SEWER/STORM FLOW DIRECTION
FIRE HYDRANT	CATCH BASIN
GATE VALVE and BOX	CURB INLET
WATER METER	AREA DRAIN
GAS METER	HEADWALL
GREASE TRAP	WINGED HEADWALL
EXTERIOR CLEANOUT ECO	CONCRETE SWALE
MANHOLE	TYPE- X- HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	---
EASEMENTS	----
RIGHT OF WAY	==== ROW
EROSION CONTROL SILT FENCE	--- SF --- SF
EROSION EEL	--- E --- E --- E --- E
EXISTING TREELINE	~~~~~
EXISTING FENCELINE	--- X --- X
MINIMUM BUILDING SETBACK LINE	----- MBSL
PHASE BOUNDARY	-----
EXISTING GAS LINE	--- GAS --- GAS
PROPOSED GAS LINE	--- GAS --- GAS
EXISTING STORM	--- STM --- STM
PROPOSED STORM	--- STM --- STM
EXISTING CONTOUR LINES	----- 601
PROPOSED CONTOUR LINES	----- 601
EXISTING SANITARY SEWER	--- SS --- SS
PROPOSED SANITARY SEWER	--- SS --- SS
EXISTING WATER	--- W --- W
PROPOSED WATER	--- W --- W

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Clearview Acres
Section 1
Rutherford County, TN

Grading and Drainage and Intermediate EPSC Plan

REVISIONS:
DRAWN: MLG
DATE: 9-22-16
CHECKED: RH
FILE NAME: 14300projectP1
SCALE: 1"=50'
JOB NO. 14300
SHEET: 10 of 15

Survey Control
Field Survey performed from: 09-6 to 09-27, 2016.
Horizontal and vertical survey control is tied to the Tennessee State Plane coordinate system (NAD83/NAVD88), referenced from Rutherford County Control monument number RCC-020.

BENCHMARK #1: TR/IPS ELEV: 678.87
BENCHMARK #2: RR SPIKE IN WOOD POST ELEV: 672.72

811
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MATCHLINE SHEET 10

Survey Control
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 Horizontal and vertical survey control is tied to the Tennessee State Plane coordinate system (NAD83/NAVD88), referenced from Rutherford County Control monument number RCC-020.

BENCHMARK #1:
 RR SPIKE IN WOOD POST
 N: 504471.39
 E: 1840438.03
 ELEV: 677.72

BENCHMARK #2:
 IPF SEC
 N: 504953.31
 E: 1840265.95
 ELEV: 679.25

COMPASS WAY

PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
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EXISTING SANITARY SEWER	SS SS
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50' 0 50' 100'
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 11 of 15